



April 25, 1990

REPLY TO
ATTN OF: HW-093

MEMORANDUM

SUBJECT: Request for Ceiling Increase at the Cliff's Battery
Service Site, Sunnyside, Washington

Site ID#: WAD027526797

Category of Removal: Time-Critical

National Significance: None

FROM: James M. Everts, Chief *DFlood*
to Superfund Response and Investigations Section

TO: Charles E. Findley, Director
Hazardous Waste Division

THRU: Philip G. Millam, Chief *Philip G. Millam*
Superfund Branch

I. PURPOSE

A ceiling increase is being requested due to increased volumes of lead contaminated soils discovered at the site. A ceiling increase of \$727,619.00 for a new total of \$1,661,591.00 is being requested to continue the removal at the site.

II. BACKGROUND

Incident/Response History

The Cliff's Battery Service Site (CBS) was a battery dismantling and lead recycling facility operated by Cliff Rogers from 1958 until his death in 1981. Blood tests performed by the Yakima County Health District in 1978 found elevated lead levels (above 40 ug/dl in the blood) in 14 of the 15 CBS employees. The Washington Department of Ecology water sampling in 1984 observed levels to 595 ug/l in surface water but a non-detect from residential wells. The 1986 Ecology and Environment Field Investigation Team found high lead levels (2840 mg/kg) in soil in a nearby off-site area.

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The two acre site is located in a mixed commercial/residential area bordered by residences, a church, pastures and farmland. Drinking water within 1/4 mile is supplied by shallow (40-60 feet deep) wells.

Current Status of the Site

As of April 21, 1990, a total of 1270 tons (51 truck loads) of contaminated soil/debris have been removed to an approved EPA waste site in Arlington, Oregon. The on-site excavation of battery debris has uncovered significantly greater quantities than the original estimate of 3100 total tons. Lead contaminated debris is being excavated from depths exceeding five feet in areas originally estimated to be less than two feet in depth. Current estimates increase the on-site volumes by an additional 3145 tons to total 6245 tons for the on-site area.

Furthermore, additional surface sampling of the adjacent pasture located down gradient of the site showed lead levels exceeding the action level of 1000 ppm in an area exceeding 200 by 100 feet. Based on the extent of contamination survey by portable x-ray fluorescence methods, the highest values in the pasture area exceed 12,000 ppm. Current estimates of an additional 800 tons of contaminated soil may need to be removed from the pasture.

The total quantity of lead contaminated soil/debris at the site, originally estimated to be 3,100 tons, is now estimated to be 7,045 tons. Additional personnel and equipment have been dedicated to the project to stay on the original time schedule.

III. PROPOSED ACTIONS

Lead contaminated soil/debris will be removed from the down gradient pasture and on-site excavation will continue until lead action levels are met. Lead contaminated soil/debris will continue to be disposed at an EPA approved landfill. Clean fill will be added to excavated areas and the areas will be hydro-seeded.

At this time, no long-term remedial action is anticipated at this site.

The proposed project increase will include the following items necessary for completing the removal action:

- 1) Excavation, transportation and disposal of 3,145 tons of lead contaminated soil/debris found at depths of three to five feet on-site to Arlington, Oregon.

- 2) Excavation, transportation and disposal of 800 tons of the pasture off-site lead contaminated soil/debris to Arlington, Oregon.

IV. SUMMARY OF COSTS

	Current Ceiling	Ceiling Increase	Total
Extramural Costs			
ERCS	\$735,983	\$614,017	\$1,350,00
15% contingency	\$117,139	\$93,602	\$210,741
TAT	\$44,940	\$10,000	\$54,940
 TOTAL EXTRAMURAL COSTS	 \$898,062	 \$717,619	 \$1,615,681
Intramural Costs			
EPA Direct	\$23,310	\$5,000	\$17,600
EPA Indirect	\$12,600	\$5,000	\$17,600
 TOTAL INTRAMURAL COSTS	 \$35,410	 \$10,000	 \$35,200
 TOTAL PROJECT COSTS	 \$933,972	 \$727,619	 \$1,661,591

5. RECOMMENDATION

To eliminate the continuing threat posed to the nearby public and the environment consistent with the removal criteria contained in section 300.65 of the National Contingency Plan, I recommend you approve this \$727,619.00 ceiling increase request. Your approval would raise the total project ceiling request from \$933,972.00 to \$1,661,591.00 of which \$614,017.00 is for the extramural cleanup contractor costs. You may indicate your approval or disapproval by signing below.

Approve:

Disapprove:

Charles E. Findley
Charles E. Findley, Director
Hazardous Waste Division

Charles E. Findley, Director
Hazardous Waste Division

4/25/90
Date

Date